

ATTORNEY'S DOCKET NO: P0700/7004/GSE/DPM

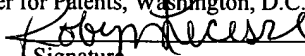
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Richard W. Schaaf et al  
Serial No: 09/814,246  
Filed: March 20, 2001  
For: ORGANIZING AND COMBINING A HIERARCHY OF  
CONFIGURATION PARAMETERS TO PRODUCE AN ENTITY  
PROFILE FOR AN ENTITY ASSOCIATED WITH A  
COMMUNICATIONS NETWORK

Examiner: Not yet assigned  
Art Unit: 2151

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to **Box Missing Parts**, Commissioner for Patents, Washington, D.C. 20231, on the 29th day of June, 2001.

  
Signature

**Attn: Official Draftsperson**  
Commissioner for Patents  
Washington, DC 20231

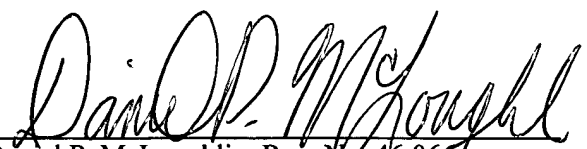
LETTER TO OFFICIAL DRAFTSPERSON

Sir:

Enclosed are four (4) sheets of proposed drawing corrections to Figs. 3, 5A, 5B and 7. The proposed corrections are marked in red ink. The Examiner is respectfully requested to approve these proposed drawing corrections.

Further, Applicant submits twelve (12) sheets of Formal Drawings, Figs. 1-9, including the proposed changes to the figures as submitted above.

Respectfully submitted,  
*Richard W. Schaaf et al, Applicant(s)*

By:   
Daniel P. McLoughlin, Reg. No. 46,066  
Gary S. Engelson, Reg. No. 35,128  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, MA 02210  
Telephone (617) 720-3500

Docket No. P0700/7004/GSE/DPM  
Dated: June 29, 2001  
x06/30/01

SECTOR  
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Attorney's Docket No.: P0700/7004/GSE/DPM

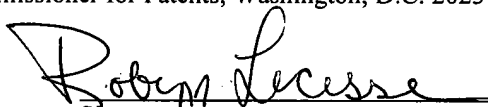
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Examiner: N/A  
Art Unit: 2151

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The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on the 19 day of June, 2001.

  
Signature

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**BOX MISSING PARTS**

Commissioner For Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith is/are the following document(s):

- ☒ [X] Copy of the Notice to File Missing Parts
- ☒ [X] Declaration (executed)
- ☒ [X] Preliminary Amendment
- ☒ [X] Marked-Up Specification
- ☒ [X] Letter to Official Draftsman
- ☒ [X] Twelve (12) sheets of Formal Drawings (Figs. 1-9)
- ☒ [X] Four (4) sheets of Marked-Up Informal Drawings (Figs. 3, 5A and 5B, Fig. 7)
- ☒ [X] Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

09/814,246

$\{x_1^{(1)}, \dots, x_n^{(1)}\}$  and  $\{x_1^{(2)}, \dots, x_n^{(2)}\}$  are two sets of  $n$  data points in  $\mathbb{R}^n$ . We assume that the data points are independent and identically distributed (i.i.d.) samples from a joint probability distribution  $p(x_1, \dots, x_n)$ . The joint probability distribution is assumed to be a product of marginal distributions, i.e.,  $p(x_1, \dots, x_n) = \prod_{i=1}^n p(x_i)$ . The marginal distributions are assumed to be Gaussian, i.e.,  $p(x_i) = \mathcal{N}(x_i; \mu_i, \sigma_i^2)$ . The parameters  $\mu_i$  and  $\sigma_i^2$  are estimated from the data points using maximum likelihood estimation (MLE). The MLE estimates are given by  $\hat{\mu}_i = \frac{1}{n} \sum_{j=1}^n x_i^{(j)}$  and  $\hat{\sigma}_i^2 = \frac{1}{n} \sum_{j=1}^n (x_i^{(j)} - \hat{\mu}_i)^2$ . The joint probability distribution is then estimated as  $\hat{p}(x_1, \dots, x_n) = \prod_{i=1}^n \mathcal{N}(x_i; \hat{\mu}_i, \hat{\sigma}_i^2)$ .

Daniel P. McLaughlin  
Daniel P. McLaughlin, Reg. No. 16066

Docket No. P0700/7004/GSE/DPM  
Date: June 29, 2001  
**xJune 30, 2001x**



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/814,246	03/20/2001	Richard W. Schaaf	P0700/7004 (GSE/DPM)

CONFIRMATION NO. 1978

23628  
WOLF GREENFIELD & SACKS, PC  
FEDERAL RESERVE PLAZA  
600 ATLANTIC AVENUE  
BOSTON, MA 02210-2211

## FORMALITIES LETTER



\*OC000000006132135\*

Date Mailed: 05/31/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.  
*A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 65.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*

09/814,246

09/814,246 09/814,246 09/814,246



MT3

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Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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